

Supplementary Table S2

Study	Outcome	Predictor	Finding
Ausania (2012)	Mortality	MET Score > 7	Sensitivity 83% Specificity 61%
Junejo (2012)	30D Mortality	High v Low risk groups	Sensitivity 100% Specificity 39.2%*
Junejo (2012)	In-hosp mortality	High v Low risk groups	Sensitivity 87.5% Specificity 39.6%*
Junejo (2014)	30D Mortality	High v Low risk groups)	Sensitivity 100% Specificity 41.3%
Junejo (2014)	In-hosp mortality	High v Low risk groups	Sensitivity 100% Specificity 43%
James (2014)	MACE	eGFR	AUC:0.72[0.54-0.90]
James (2014)	MACE	BNP	AUC:0.75[0.59-0.92]
James (2014)	MACE	CRP	AUC:0.56[0.36-0.76]
James (2014)	MACE	ASA	AUC:0.68[0.49-0.87]
James (2014)	MACE	RCRI	AUC:0.68[0.49-0.86]
Kanakaraj (2017)	MACE	NT-proBNP	AUC 0.86[0.73-0.98]
Bowles (2008)	Mortality	POSSUM 30	OR:12.6[1.59-100.2]
Bowles (2008)	Mortality	ASA 3 or more	OR:11.33[1.43-89.87]
Bowles (2008)	Mortality	2 or more comorbidities	OR:6.2[1.9-20.32]
Wilson (2010)	Mortality	> 1 Cardiac risk factor	Sensitivity 44.4% Specificity 68.3%
Wilson (2010)	Mortality	> 1 Cardiac risk factor+AT <11	Sensitivity 87.5% Specificity 32.7%
Wilson (2010)	Mortality	No RF+AT<11	Sensitivity 90.0% Specificity 53.4%
Wilson (2010)	Mortality	IHD	Sensitivity 38.9% Specificity 83.6%
Wilson (2010)	Mortality	IHD + AT<11	Sensitivity 85.7% Specificity 25.7%

Table S4: Data pertaining to non CPET based predictors explored in included studies. MET = Metabolic equivalents, BNP = B type natriuretic peptide, NT-proBNP = N-terminal pro b-type natriuretic peptide, eGFR = estimated glomerular filtration rate, CRP = C Reactive Protein, ASA = American Society of Anesthesiologists score, RF = Risk Factors, IHD = Ischaemic Heart Disease, AT = Anaerobic Threshold, RCRI = Revised Cardiac Risk Index. POSSUM = Physiological and Operative Severity Score for the Enumeration of Morbidity and Mortality. AUC = Area under the receiver operator curve, OR = Odds ratio, * calculations exclude 14 high risk patients who didn't proceed to surgery based 'partly' on CPET findings and calculated from data in Table 1 in the original paper.